# IBM LaserPrinter and LaserPrinter E

**A family of laser printers that stands out above the rest**

High-quality printing...reliable performance...PostScript® options—get them all with the IBM LaserPrinter and LaserPrinter E. Recently awarded both the Editor's Choice[1] and Technical Excellence Awards[2] by *PC Magazine*, the LaserPrinter is an ideal solution for any individual or business with diverse printing needs. And for users requiring a personal laser printer, or for shared environments with moderate printing requirements, the LaserPrinter E includes most of the LaserPrinter's features—at a more affordable price.

Here's their main difference: The LaserPrinter can print up to ten pages per minute—and as many as 20,000 pages per month—while the LaserPrinter E can print up to five pages per minute and turn out up to 12,000 pages per month.

With an upgrade option, however, the LaserPrinter E can be converted to the higher-speed model. Both printers use the same convenient high-yield print cartridge, font cards, printer sharing option, and paper-handling features. And no matter what they're printing, both printers set new standards in printing excellence.

**IBM LaserPrinters at work**

Here are some of the ways to put the IBM LaserPrinters to work for you:

- Print high-quality multipage letters, with envelopes, in sequence, without any difficulty
- Produce professional-looking business presentations for client meetings
- Create foils for overhead projection right from the printer
- Publish a customer newsletter with unique typefaces and exciting images
- Share your printer with up to six users running different applications or different workstations

IBM

| Feature | Benefit |
|---|---|
| **PostScript Option[3] (minimum 1Mb required)** | • Features the Adobe® type standard<br>• Lets you print complicated jobs with a range of scalable outline fonts<br>• Allows direct printing from IBM Interleaf™ Publisher, Aldus PageMaker® and other PostScript-supported publishing applications |
| **Font Cards** | • Offer you a wide range of type choices—as many as 48 font cards, each holding from six to 26 typestyles |
| **Connectivity** | • Lets you attach both IBM LaserPrinters to IBM PCs, PS/2s,® RISC System/6000s,™ and many other non-IBM PCs<br>• Links printers to a variety of local area networks (LANs) as workstation printers—including Token-Ring Networks and host attachments<br>• Supports printer attachment to AS/400™ and 3270 subsystems via IBM InfoWindow® displays |
| **Printer Sharing Option** | • Permits you to share the printers with up to six serially attached personal computers |
| **Upgradeable DRAM memory (512Kb to 4Mb)** | • Gives you additional memory for font storage and enhanced desktop publishing functions<br>• Increases performance in PostScript mode (with 3.5Mb) |
| **Standard 200-Sheet Paper Tray (adjustable)** | • Adjusts to accommodate four paper sizes |
| **Enhanced paper-handling options** | • Allow you to print multipage documents in sequence—including envelopes—in the same print job<br>• Eliminate the need to remove and replace paper trays when you switch paper sizes |
| **Optional 500-Sheet Second Paper Drawer** | • Includes adjustable letter-size paper tray<br>• Provides a second paper source<br>• Increases printer capacity to 700 sheets<br>• Requires no additional desk space—easily installs under printer |
| **Optional 75-Envelope Feeder** | • Enables you to print a wide range of envelopes automatically<br>• Allows you to sequence your print jobs |
| **Single Element High-Yield Print Cartridge** | • Can be used with both LaserPrinters<br>• Prints up to 10,000 pages of typical text (2.8% coverage)<br>• Makes it easy to remove or replace cartridge yourself |
| **Print flexibility** | • Lets you print white on black; double-high, double-wide characters<br>• Helps you outline objects on a page with text<br>• Allows you to print in portrait or landscape orientation |
| **300-dot-per-inch addressability** | • Enables the LaserPrinters to produce crisp text and sharp images, graphics and bar codes |
| **Plotter emulation** | • Provides engineering and architectural design capability<br>• Creates presentation foils directly onto transparencies<br>• Allows combining of text and plotter data |
| **Portrait or landscape orientation** | • Lets you print both letter-style documents and spreadsheets with a simple command from the front control panel |
| **Upgrade option** | • Lets you convert your LaserPrinter E to a LaserPrinter to print up to ten pages per minute |
| **Front control panel** | • Includes low toner alert light, on/off switch<br>• Gives you a choice of default paper source, print orientation, and more for easy setting |
| **Compact size** | • Enables the printers to fit practically anywhere—even on a normal-size desktop |
| **Internal diagnostics** | • Identify problems should they arise<br>• Let you correct many problems quickly and keep downtime to a minimum |

## Why IBM Printers?

Here are some of the reasons why IBM printers stand out among the rest for your business needs.

**High-quality printing** gives all your work a professional look—from drafts to text, graphics and images, too.

**Paper-handling** is made easier with adjustable paper drawers and feeders.

**Enhanced connectivity** supports intelligent communications between networks and printers.

**Compatibility** protects your investment since IBM printers work with IBM PS/2s and PCs, with many non-IBM PCs, AS/400s, 3270s and RISC System/6000, and with most popular IBM and non-IBM software programs, too.

**Service and support** provide your IBM printer with a full-year warranty and on-site services.

**Reliability** ensures that IBM printers are built to perform smoothly and dependably year after year.

## IBM LaserPrinter and IBM LaserPrinter E at a glance

| | |
|---|---|
| **Description** | Compact, laser desktop page printers for high-resolution text and graphics |
| **Weight** | 33.6 lbs. (15.3 kg) |
| **Dimensions** | Base machines: 10.2″H x 14.2″W x 20.5″D (266mm x 361mm x 521mm) |
| **Power** | Low voltage: 100V–127V, 50/60 Hz<br>High voltage: 200V–240V, 50/60 Hz |
| **Operating environment** | 60°F to 90°F (15.6°C to 32.2°C); 8% to 80% relative humidity; 73°F (22.8°C) maximum wet bulb |
| **Printing speed** | LaserPrinter: up to ten pages per minute<br>LaserPrinter E: up to five pages per minute |
| **Interface** | IBM PC parallel or RS232C serial interface connection (requires cable for serial connection—part number 6486685) |
| **Hardware compatibility** | IBM Personal Computer, IBM Personal Computer XT,™ IBM Personal Computer XT 286, IBM Personal Computer AT,® IBM Personal System/2® Model 25 and higher, IBM RT,® IBM RISC System/6000, and many more IBM and non-IBM PCs with compatible interfaces<br>IBM AS/400 and 3270 subsystems via IBM InfoWindow displays |
| **Printer data stream** | IBM Personal Printer Data Stream (PPDS); Hewlett-Packard LaserJet Series II® Printer Command Language (PCL™); IBM Graphics Language (GL), Hewlett-Packard Graphics Language (GL) |
| **Paper requirements** | Maximum length: 14″ (355.6mm); minimum length: 7.5″ (190.5mm)<br>Maximum width: 8.5″ (215.9mm); minimum width: 3.9″ (98.4mm)<br>Weight: 16–24 lbs. (7.2–10.8kg); up to 35 lbs. (15.75kg) manual feed |
| **Acoustics** | 50 dBA printing; 38 dBA idle |
| **Warranty** | One-year limited warranty includes Customer Carry-in Repair (CCR). IBM On-Site Repair (IOR) available as an option |

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*[1]PC Magazine, November 1989.*
*[2]PC Magazine, January 1990.*
*[3]For environments where PostScript processing is a primary need, the IBM Personal Page Printer II (4216-031) offers even higher performance in PostScript mode.*
*[4]For use with data streams for Hewlett-Packard LaserJet Series II Printer.*
*[5]For use with data streams for Hewlett-Packard LaserJet Series IID Printer.*

## Wide range of options

| Option Name | Part Number | Feature Code |
|---|---|---|
| **Memory expansion** | | |
| 1Mb DRAM memory expansion card | 1039136 | 9136 |
| 2Mb DRAM memory expansion card | 1039137 | 9137 |
| 3.5Mb DRAM memory expansion card | 1038675 | 8675 |
| **Optional paper handling** | | |
| 500-Sheet Second Paper Drawer (letter-size paper tray included) | 1039530 | 9530 |
| 500-Sheet Paper Trays (adjustable): | | |
| letter—8.5" x 11" | 1039450 | 9450 |
| legal—8.5" x 14" | 1039590 | 9590 |
| 200-Sheet Paper Trays (adjustable): | | |
| letter—8.5" x 11" | 1039440 | 9440 |
| legal—8.5" x 14" | 1039570 | 9570 |
| 75-Envelope Feeder | 1039606 | 9606 |
| **Connectivity** | | |
| Printer Sharing Option (requires attachment cable) | 1038958 | 8958 |
| 6' parallel printer cable (for Printer Sharing Option) | 1525612 | 5612 |
| Serial computer cable (for Printer Sharing Option) | | |
| 20' | 8509386 | 9386 |
| 50' | 1038693 | 8693 |
| **Optional font capabilities** | | |
| Font Cards | 1039003 | S544-4228 (See Supplies/ Options Catalog for IBM Laser-Printer) |
| Downloadable Font Packages: | | |
| Fixed Pitch | 1039401 | 9401 |
| Times Roman™ 36–60 points | 1039402 | 9402 |
| Times Roman 6–30 points | 1039403 | 9403 |
| Helvetica™ 36–60 points | 1039404 | 9404 |
| Helvetica 6–30 points | 1039405 | 9405 |
| Testimonial/Engravers' Olde English/Cursive | 1039406 | 9406 |
| Palatino™ | 1039407 | 9407 |
| Optima™ | 1039408 | 9408 |
| Goudy Old Style | 1039409 | 9409 |
| Baskerville | 1039410 | 9410 |
| Century Schoolbook | 1039411 | 9411 |
| Futura | 1039412 | 9412 |
| **PostScript Options** | | |
| PostScript Option (17 typefaces) | 1038076 | 8076 |
| PostScript Option Premium (39 typefaces) | 1038086 | 8086 |
| PostScript Font Card (for PostScript Option only—22 typefaces) | 1038100 | 8100 |
| **Upgrade option** | | |
| Model E01 to 001 (field installable) | 1320121 | 0121 |

## A large selection of font options

| Option Name | Part Number | Feature Code |
|---|---|---|
| **Resident fonts** | | |
| Courier 10 (default) | N/A | N/A |
| Courier 12 | N/A | N/A |
| Courier 17.1 | N/A | N/A |
| Courier 10 Bold | N/A | N/A |
| Bold Face PS | N/A | N/A |
| **Hewlett-Packard emulation modes** | | |
| Courier 10 | N/A | N/A |
| Courier 10 Bold | N/A | N/A |
| Courier 16.7 | N/A | N/A |
| **Optional font cards** | | |
| Universal | 1255800 | N/A |
| Italic | 1225801 | N/A |
| Prestige Elite | 1255802 | N/A |
| Letter Gothic | 1255803 | N/A |
| Delegate | 1255804 | N/A |
| Script/OCR | 1255805 | N/A |
| Orator | 1255806 | N/A |
| Compressed | 1255807 | N/A |
| Press Roman | 1255808 | N/A |
| Foundry | 1255809 | N/A |
| Turkey | 1255810 | N/A |
| Hebrew 1 | 1255811 | N/A |
| Canadian French | 1255812 | N/A |
| Arabic 1 | 1255813 | N/A |
| Japan | 1255814 | N/A |
| Greek | 1255815 | N/A |
| Latin 2 | 1255816 | N/A |
| Cyrillic | 1255817 | N/A |
| Arabic 2 | 1255818 | N/A |
| Hebrew 2 | 1255819 | N/A |
| Testimonial | 1255820 | N/A |
| Engravers' Olde English | 1255821 | N/A |
| Times Roman 12–18 points | 1255822 | N/A |
| Times Roman 6–10 points | 1255823 | N/A |
| Combo | 1255824 | N/A |
| Helvetica 12–18 points | 1255825 | N/A |
| Helvetica 6–10 points | 1255826 | N/A |
| Cursive | 1255827 | N/A |
| Palatino 12–18 points | 1255828 | N/A |
| Palatino 6–10 points | 1255829 | N/A |
| Optima 12–18 points | 1255830 | N/A |
| Optima 6–10 points | 1255831 | N/A |
| Century Schoolbook 12–18 points | 1255832 | N/A |
| Century Schoolbook 6–10 points | 1255833 | N/A |
| Goudy Old Style 12–18 points | 1255834 | N/A |
| Goudy Old Style 6–10 points | 1255835 | N/A |
| Baskerville 12–18 points | 1255836 | N/A |
| Baskerville 6–10 points | 1255837 | N/A |
| Futura 12–18 points | 1255838 | N/A |
| Futura 6–10 points | 1255839 | N/A |
| Hebrew 3 | 1255840 | N/A |
| Supports M[4] | 1255841 | N/A |
| Supports R[4] | 1255842 | N/A |
| Supports U/V[4] | 1255843 | N/A |
| Supports Z[4] | 1255844 and 1255845 | N/A |
| Supports Resident[5] | 1255846 | N/A |
| Supports N[4] | 1255847 | N/A |

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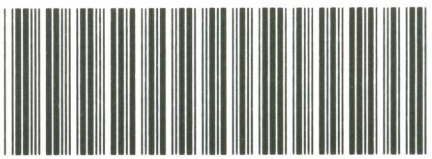

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